

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-105SL-LC-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33518)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

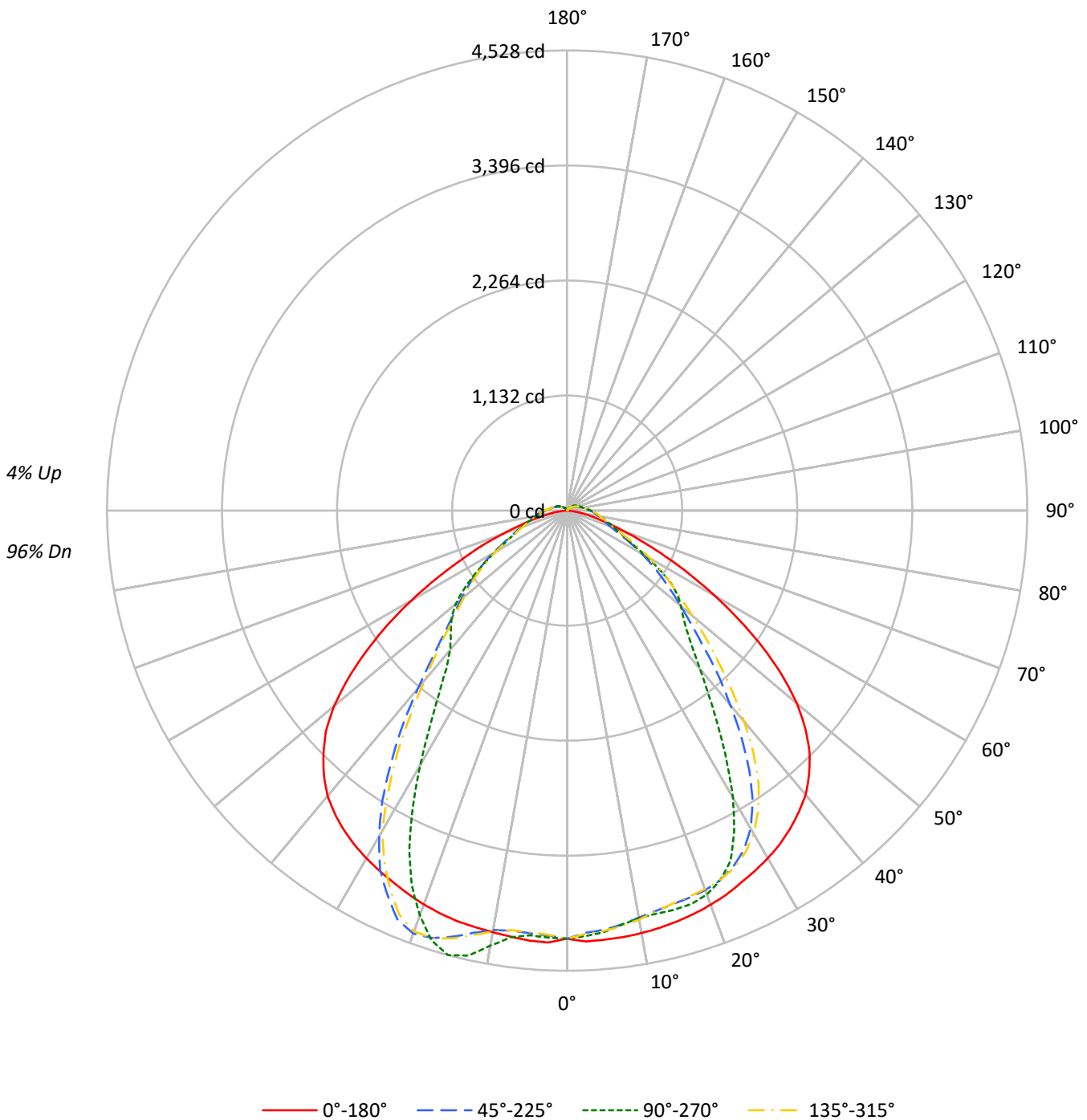
Lumens per Lamp: N/A
Luminaire Lumens: 10042.0 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 82
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96																												
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82																												
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71																												
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61																												
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54																												
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47																												
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42																												
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38																												
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34																												
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31																												
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17020	17020	17020	17020
5°	17168	16345	17203	16474
10°	17271	15665	17235	16729
15°	17429	15456	17420	17209
20°	17647	15211	17629	16034
25°	17893	14430	17883	13943
30°	18260	12506	18270	11080
35°	18653	10113	18706	8558
40°	19008	8143	19087	7174
45°	18987	6897	19085	6716
50°	18221	6350	18475	6208
55°	16222	5708	16627	5189
60°	13216	4369	13918	4006
65°	9883	3342	10648	3169
70°	6777	2885	7640	2758
75°	4493	2603	5232	2462
80°	2977	2427	3488	2233
85°	1625	2421	2140	2212



TEST NUMBER: P#

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.1	4.0
10°-20°	1190.5	11.9
20°-30°	1809.9	18.0
30°-40°	1941.6	19.3
40°-50°	1685.1	16.8
50°-60°	1248.8	12.4
60°-70°	715.5	7.1
70°-80°	396.2	3.9
80°-90°	241.3	2.4
90°-100°	156.9	1.6
100°-110°	105.1	1.0
110°-120°	71.0	0.7
120°-130°	43.5	0.4
130°-140°	22.9	0.2
140°-150°	10.4	0.1
150°-160°	3.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3400.5	33.9
0°-40°	5342.1	53.2
0°-60°	8276.1	82.4
0°-90°	9629.1	95.9
90°-120°	333.0	3.3
90°-150°	409.8	4.1
90°-180°	413.0	4.1
0°-180°	10042.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4212	4212	4212	4212	4212	
5°	4238	4162	4247	4195	4238	404
15°	4184	4067	4182	4528	4184	1184
25°	4043	3803	4040	3675	4043	1869
35°	3823	2589	3834	2191	3823	2393
45°	3375	1660	3392	1617	3375	2584
55°	2354	1245	2413	1131	2354	2088
65°	1068	631	1151	598	1068	1077
75°	305	400	355	379	305	348
85°	41	276	54	252	41	54
90°	0	231	4	213	0	2
95°	2	189	0	181	2	1
105°	2	141	2	135	2	2
115°	2	115	2	104	2	2
125°	2	87	2	72	2	2
135°	2	54	2	46	2	2
145°	2	33	4	26	2	2
155°	4	15	4	13	4	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4
2.5°	4242.8	4231.9	4227.6	4218.9	4225.4	4251.5	4234.1	4205.8	4208.0	4158.0	4184.1
5°	4238.5	4225.4	4218.9	4210.2	4214.5	4238.5	4221.1	4192.8	4190.6	4140.6	4164.5
7.5°	4231.9	4218.9	4208.0	4201.5	4203.7	4223.2	4201.5	4168.8	4162.3	4107.9	4129.7
10°	4221.1	4212.4	4197.1	4186.3	4184.1	4205.8	4171.0	4138.4	4123.2	4066.6	4088.3
12.5°	4205.8	4192.8	4177.6	4158.0	4155.8	4168.8	4140.6	4094.9	4079.6	4033.9	4057.9
15°	4184.1	4168.8	4151.4	4129.7	4118.8	4127.5	4092.7	4051.4	4049.2	4010.0	4042.7
17.5°	4160.1	4138.4	4118.8	4088.3	4073.1	4079.6	4051.4	4014.4	4018.7	3994.8	4031.8
20°	4127.5	4103.6	4073.1	4042.7	4020.9	4031.8	4012.2	3983.9	3990.4	3973.0	4005.7
22.5°	4090.5	4057.9	4020.9	3986.1	3968.7	3983.9	3968.7	3944.7	3946.9	3936.0	3955.6
25°	4042.7	4005.7	3962.1	3918.6	3909.9	3920.8	3912.1	3892.5	3883.8	3866.4	3875.1
27.5°	3999.1	3957.8	3903.4	3857.7	3842.5	3864.2	3844.7	3812.0	3788.1	3764.1	3746.7
30°	3949.1	3899.0	3838.1	3785.9	3772.9	3781.6	3753.3	3703.2	3640.1	3609.7	3561.8
32.5°	3894.7	3829.4	3753.3	3694.5	3685.8	3679.3	3627.1	3555.3	3457.4	3396.4	3322.5
35°	3822.9	3751.1	3659.7	3587.9	3574.9	3537.9	3453.0	3357.3	3231.1	3126.6	3000.4
37.5°	3742.4	3657.5	3561.8	3466.1	3429.1	3355.1	3235.4	3135.3	2943.9	2817.7	2665.4
40°	3651.0	3548.7	3431.2	3315.9	3255.0	3135.3	2998.3	2850.3	2665.4	2495.7	2367.3
42.5°	3524.8	3416.0	3276.8	3148.4	3044.0	2885.1	2724.1	2515.2	2345.5	2201.9	2071.4
45°	3374.7	3244.1	3083.1	2928.6	2795.9	2606.6	2417.3	2208.4	2067.0	1899.5	1810.3
47.5°	3181.0	3039.6	2867.7	2695.8	2521.8	2312.9	2114.9	1914.7	1773.3	1653.6	1588.3
50°	2952.6	2822.0	2632.7	2428.2	2236.7	2019.1	1821.2	1671.0	1533.9	1460.0	1409.9
52.5°	2669.7	2547.9	2354.2	2132.3	1947.3	1734.1	1553.5	1431.7	1333.8	1279.4	1262.0
55°	2354.2	2247.6	2056.1	1849.4	1660.1	1464.3	1327.2	1220.6	1157.5	1124.9	1127.1
57.5°	2017.0	1934.3	1753.7	1568.8	1390.3	1242.4	1118.4	1033.5	985.6	983.5	990.0
60°	1679.7	1618.8	1462.1	1303.3	1146.7	1027.0	935.6	876.9	846.4	848.6	846.4
62.5°	1357.7	1301.1	1188.0	1057.4	933.4	852.9	770.2	746.3	720.2	718.0	718.0
65°	1068.3	1024.8	933.4	839.9	746.3	694.1	652.7	624.5	604.9	600.5	602.7
67.5°	802.9	785.5	722.4	659.3	600.5	567.9	533.1	526.5	511.3	511.3	515.7
70°	598.3	585.3	550.5	513.5	489.6	467.8	450.4	450.4	448.2	446.0	456.9
72.5°	433.0	435.2	424.3	396.0	393.8	389.5	385.1	391.6	393.8	400.3	413.4
75°	304.6	311.1	311.1	306.8	315.5	326.4	332.9	343.8	356.8	365.5	380.8
77.5°	215.4	215.4	226.3	239.3	256.7	276.3	293.7	309.0	326.4	337.3	350.3
80°	139.3	145.8	163.2	187.1	211.1	237.2	261.1	280.7	298.1	315.5	324.2
82.5°	82.7	93.6	115.3	145.8	176.2	208.9	232.8	256.7	276.3	293.7	300.3
85°	41.3	56.6	82.7	115.3	148.0	182.8	213.2	235.0	256.7	272.0	280.7
87.5°	13.1	30.5	58.7	89.2	124.0	158.8	191.5	215.4	235.0	248.0	256.7
90°	0.0	15.2	41.3	74.0	106.6	141.4	171.9	198.0	217.6	228.5	235.0
92.5°	0.0	8.7	32.6	60.9	91.4	126.2	156.7	180.6	198.0	208.9	213.2
95°	2.2	6.5	23.9	50.0	80.5	113.1	141.4	163.2	180.6	191.5	193.6
97.5°	2.2	4.4	19.6	41.3	69.6	100.1	128.4	150.1	163.2	174.1	176.2
100°	2.2	4.4	15.2	37.0	60.9	89.2	115.3	134.9	150.1	158.8	161.0
102.5°	2.2	2.2	13.1	30.5	54.4	78.3	102.3	121.8	134.9	143.6	148.0
105°	2.2	2.2	10.9	26.1	47.9	69.6	91.4	111.0	121.8	130.5	134.9
107.5°	2.2	2.2	8.7	21.8	41.3	60.9	82.7	97.9	111.0	119.7	124.0
110°	2.2	2.2	6.5	19.6	34.8	54.4	71.8	87.0	100.1	108.8	113.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.2	2.2	6.5	17.4	30.5	47.9	63.1	78.3	89.2	97.9	104.4
115°	2.2	2.2	6.5	15.2	28.3	41.3	56.6	69.6	80.5	89.2	95.7
117.5°	2.2	2.2	6.5	13.1	23.9	37.0	50.0	63.1	71.8	80.5	87.0
120°	2.2	2.2	4.4	10.9	21.8	32.6	43.5	54.4	65.3	74.0	80.5
122.5°	2.2	2.2	4.4	10.9	17.4	28.3	39.2	47.9	58.7	65.3	71.8
125°	2.2	2.2	4.4	8.7	15.2	26.1	34.8	43.5	50.0	58.7	65.3
127.5°	2.2	2.2	4.4	8.7	13.1	21.8	30.5	39.2	45.7	52.2	56.6
130°	2.2	2.2	4.4	6.5	10.9	17.4	26.1	32.6	41.3	45.7	50.0
132.5°	2.2	2.2	2.2	6.5	8.7	13.1	19.6	28.3	34.8	41.3	43.5
135°	2.2	2.2	2.2	4.4	8.7	10.9	15.2	21.8	28.3	34.8	39.2
137.5°	2.2	2.2	2.2	4.4	6.5	10.9	13.1	17.4	23.9	28.3	34.8
140°	2.2	2.2	2.2	4.4	6.5	8.7	10.9	15.2	19.6	23.9	28.3
142.5°	2.2	2.2	2.2	4.4	4.4	6.5	8.7	13.1	15.2	19.6	23.9
145°	2.2	2.2	2.2	4.4	4.4	6.5	8.7	10.9	13.1	15.2	19.6
147.5°	2.2	2.2	2.2	4.4	4.4	4.4	6.5	8.7	10.9	13.1	15.2
150°	4.4	4.4	4.4	4.4	4.4	4.4	6.5	6.5	8.7	10.9	13.1
152.5°	4.4	4.4	4.4	4.4	4.4	4.4	6.5	6.5	6.5	8.7	10.9
155°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	6.5	6.5	8.7	8.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4
2.5°	4175.4	4179.7	4205.8	4203.7	4199.3	4195.0	4195.0	4190.6	4195.0	4205.8	4201.5
5°	4153.6	4160.1	4179.7	4177.6	4173.2	4171.0	4168.8	4162.3	4166.7	4181.9	4177.6
7.5°	4114.5	4121.0	4138.4	4129.7	4123.2	4127.5	4116.6	4110.1	4118.8	4134.0	4131.9
10°	4073.1	4077.5	4099.2	4094.9	4084.0	4086.2	4075.3	4070.9	4081.8	4090.5	4092.7
12.5°	4044.8	4060.1	4079.6	4077.5	4075.3	4077.5	4066.6	4062.2	4068.8	4077.5	4075.3
15°	4038.3	4057.9	4079.6	4079.6	4081.8	4084.0	4073.1	4066.6	4073.1	4079.6	4077.5
17.5°	4031.8	4055.7	4075.3	4073.1	4075.3	4079.6	4062.2	4057.9	4066.6	4075.3	4070.9
20°	4010.0	4031.8	4044.8	4040.5	4040.5	4042.7	4020.9	4020.9	4033.9	4040.5	4042.7
22.5°	3949.1	3975.2	3975.2	3964.3	3964.3	3955.6	3949.1	3936.0	3951.3	3962.1	3970.8
25°	3857.7	3868.6	3855.5	3831.6	3818.5	3807.7	3777.2	3803.3	3803.3	3835.9	3846.8
27.5°	3729.3	3705.4	3668.4	3618.4	3607.5	3572.7	3553.1	3559.6	3570.5	3616.2	3651.0
30°	3518.3	3446.5	3383.4	3361.6	3313.8	3278.9	3244.1	3261.5	3281.1	3307.2	3379.0
32.5°	3239.8	3170.2	3067.9	3030.9	2980.9	2937.3	2896.0	2922.1	2956.9	2974.3	3052.7
35°	2919.9	2837.3	2743.7	2680.6	2628.4	2604.4	2552.2	2589.2	2626.2	2639.3	2706.7
37.5°	2580.5	2495.7	2413.0	2358.6	2308.5	2293.3	2258.5	2284.6	2312.9	2332.5	2389.0
40°	2258.5	2180.2	2117.1	2080.1	2045.3	2032.2	2019.1	2030.0	2051.8	2067.0	2110.5
42.5°	1982.2	1919.1	1875.5	1853.8	1829.9	1812.4	1814.6	1819.0	1829.9	1862.5	1882.1
45°	1740.6	1703.7	1675.4	1671.0	1655.8	1653.6	1651.4	1660.1	1666.7	1686.3	1701.5
47.5°	1547.0	1531.8	1525.2	1533.9	1540.5	1531.8	1536.1	1547.0	1560.1	1560.1	1557.9
50°	1394.7	1399.0	1407.7	1427.3	1440.4	1444.7	1449.1	1462.1	1464.3	1468.7	1462.1
52.5°	1270.7	1275.0	1299.0	1329.4	1344.6	1351.2	1359.9	1372.9	1372.9	1377.3	1368.6
55°	1144.5	1151.0	1174.9	1205.4	1218.5	1227.2	1235.9	1244.6	1251.1	1259.8	1253.3
57.5°	1005.2	1024.8	1040.0	1048.7	1057.4	1064.0	1070.5	1072.7	1085.7	1087.9	1098.8
60°	857.3	861.6	876.9	874.7	868.1	885.6	876.9	892.1	907.3	926.9	929.1
62.5°	715.8	718.0	728.9	724.5	733.2	731.1	737.6	737.6	748.5	757.2	768.1
65°	604.9	607.1	615.8	615.8	613.6	620.1	626.6	631.0	631.0	637.5	646.2
67.5°	522.2	528.7	537.4	541.8	546.1	546.1	552.7	554.8	559.2	561.4	565.7
70°	465.6	474.3	483.0	487.4	489.6	493.9	496.1	496.1	500.4	502.6	507.0
72.5°	424.3	433.0	439.5	439.5	443.9	446.0	446.0	448.2	450.4	454.7	459.1
75°	389.5	396.0	400.3	398.2	398.2	398.2	400.3	400.3	404.7	409.1	413.4
77.5°	356.8	363.4	363.4	359.0	359.0	359.0	359.0	361.2	363.4	367.7	372.1
80°	332.9	332.9	330.7	330.7	326.4	324.2	324.2	326.4	326.4	330.7	337.3
82.5°	306.8	306.8	304.6	302.4	300.3	298.1	298.1	300.3	302.4	304.6	309.0
85°	282.9	282.9	278.5	278.5	276.3	276.3	276.3	276.3	278.5	280.7	285.0
87.5°	258.9	256.7	254.6	252.4	252.4	252.4	252.4	252.4	254.6	258.9	261.1
90°	235.0	232.8	230.6	230.6	228.5	228.5	230.6	230.6	232.8	235.0	237.2
92.5°	213.2	211.1	208.9	208.9	206.7	206.7	208.9	206.7	211.1	211.1	213.2
95°	193.6	191.5	189.3	189.3	189.3	189.3	189.3	189.3	191.5	191.5	193.6
97.5°	176.2	174.1	171.9	171.9	174.1	171.9	174.1	174.1	174.1	176.2	178.4
100°	161.0	158.8	158.8	161.0	158.8	158.8	161.0	161.0	161.0	161.0	163.2
102.5°	148.0	148.0	148.0	148.0	148.0	148.0	150.1	150.1	150.1	150.1	152.3
105°	134.9	137.1	137.1	137.1	139.3	139.3	139.3	141.4	141.4	141.4	141.4
107.5°	126.2	128.4	128.4	130.5	130.5	132.7	132.7	132.7	132.7	134.9	134.9
110°	117.5	119.7	121.8	124.0	124.0	126.2	126.2	126.2	126.2	126.2	126.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	108.8	111.0	113.1	117.5	119.7	119.7	119.7	119.7	121.8	121.8	119.7
115°	100.1	104.4	106.6	111.0	113.1	113.1	115.3	115.3	115.3	115.3	113.1
117.5°	91.4	97.9	100.1	104.4	106.6	106.6	108.8	108.8	108.8	108.8	106.6
120°	84.9	89.2	93.6	95.7	97.9	100.1	100.1	102.3	102.3	102.3	100.1
122.5°	78.3	82.7	87.0	89.2	91.4	93.6	93.6	93.6	93.6	93.6	93.6
125°	69.6	74.0	78.3	80.5	82.7	84.9	84.9	87.0	87.0	87.0	84.9
127.5°	63.1	67.5	69.6	74.0	76.2	76.2	78.3	78.3	78.3	78.3	76.2
130°	54.4	58.7	63.1	65.3	67.5	67.5	69.6	69.6	69.6	69.6	69.6
132.5°	47.9	52.2	54.4	58.7	58.7	60.9	60.9	63.1	63.1	63.1	60.9
135°	43.5	45.7	47.9	52.2	52.2	54.4	54.4	54.4	54.4	54.4	54.4
137.5°	39.2	41.3	43.5	45.7	45.7	47.9	47.9	47.9	47.9	50.0	47.9
140°	32.6	37.0	39.2	39.2	41.3	41.3	41.3	43.5	43.5	43.5	41.3
142.5°	28.3	30.5	32.6	34.8	37.0	37.0	37.0	37.0	39.2	37.0	37.0
145°	21.8	26.1	28.3	30.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6
147.5°	17.4	19.6	23.9	26.1	26.1	28.3	28.3	28.3	28.3	28.3	28.3
150°	15.2	15.2	19.6	21.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9
152.5°	10.9	13.1	15.2	17.4	19.6	19.6	19.6	19.6	19.6	19.6	19.6
155°	10.9	10.9	13.1	13.1	15.2	15.2	15.2	15.2	17.4	15.2	15.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4
2.5°	4195.0	4192.8	4201.5	4192.8	4149.3	4166.7	4160.1	4184.1	4186.3	4192.8	4214.5
5°	4173.2	4173.2	4184.1	4175.4	4134.0	4151.4	4149.3	4173.2	4177.6	4181.9	4205.8
7.5°	4129.7	4131.9	4147.1	4140.6	4097.0	4123.2	4121.0	4149.3	4158.0	4166.7	4188.4
10°	4088.3	4086.2	4103.6	4097.0	4055.7	4086.2	4084.0	4112.3	4125.3	4140.6	4166.7
12.5°	4066.6	4060.1	4066.6	4060.1	4014.4	4038.3	4040.5	4073.1	4088.3	4107.9	4138.4
15°	4066.6	4055.7	4055.7	4042.7	3990.4	4005.7	4007.8	4029.6	4049.2	4068.8	4105.7
17.5°	4062.2	4051.4	4049.2	4038.3	3981.7	3981.7	3979.6	3994.8	4005.7	4025.2	4064.4
20°	4038.3	4033.9	4031.8	4025.2	3973.0	3964.3	3960.0	3960.0	3966.5	3973.0	4012.2
22.5°	3975.2	3979.6	3983.9	3988.3	3946.9	3931.7	3933.9	3929.5	3923.0	3923.0	3955.6
25°	3857.7	3879.5	3896.9	3916.5	3892.5	3881.6	3894.7	3888.2	3877.3	3868.6	3896.9
27.5°	3670.6	3716.3	3753.3	3801.1	3803.3	3794.6	3829.4	3825.1	3822.9	3809.8	3831.6
30°	3411.7	3483.5	3533.5	3603.1	3661.9	3670.6	3729.3	3738.0	3746.7	3740.2	3762.0
32.5°	3098.4	3196.3	3281.1	3389.9	3446.5	3496.5	3579.2	3614.0	3648.8	3659.7	3683.6
35°	2756.7	2867.7	2967.8	3087.5	3176.7	3285.5	3385.6	3437.8	3516.1	3546.6	3581.4
37.5°	2432.6	2537.0	2634.9	2754.6	2898.2	3011.3	3135.3	3252.8	3359.4	3403.0	3455.2
40°	2145.3	2230.2	2323.8	2428.2	2558.8	2706.7	2841.6	3004.8	3131.0	3218.0	3294.2
42.5°	1927.8	1969.1	2049.6	2143.2	2247.6	2397.7	2534.8	2717.6	2869.9	2993.9	3120.1
45°	1734.1	1753.7	1812.4	1862.5	1969.1	2101.8	2247.6	2426.0	2584.9	2743.7	2896.0
47.5°	1568.8	1592.7	1621.0	1651.4	1727.6	1838.6	1964.8	2125.8	2284.6	2469.5	2643.6
50°	1457.8	1464.3	1468.7	1481.7	1527.4	1603.6	1705.8	1842.9	1995.2	2193.2	2378.2
52.5°	1359.9	1359.9	1346.8	1340.3	1357.7	1405.6	1464.3	1562.2	1718.9	1901.7	2097.5
55°	1255.4	1235.9	1231.5	1209.7	1214.1	1235.9	1264.1	1340.3	1468.7	1625.3	1814.6
57.5°	1109.7	1101.0	1101.0	1092.3	1074.8	1085.7	1092.3	1146.7	1238.0	1372.9	1538.3
60°	942.1	937.8	948.7	950.8	935.6	942.1	939.9	972.6	1037.9	1146.7	1283.7
62.5°	774.6	794.2	796.3	805.0	796.3	794.2	805.0	833.3	866.0	948.7	1055.3
65°	650.6	661.4	663.6	674.5	670.1	670.1	678.9	700.6	720.2	776.8	859.4
67.5°	570.1	565.7	567.9	574.4	567.9	565.7	572.2	585.3	600.5	635.3	694.1
70°	507.0	502.6	502.6	502.6	493.9	487.4	489.6	493.9	500.4	520.0	557.0
72.5°	459.1	459.1	452.6	446.0	439.5	435.2	430.8	426.5	424.3	430.8	450.4
75°	415.6	417.8	415.6	409.1	400.3	391.6	382.9	374.2	363.4	359.0	361.2
77.5°	376.4	378.6	380.8	378.6	369.9	359.0	346.0	332.9	317.7	302.4	293.7
80°	341.6	346.0	348.1	346.0	339.4	330.7	315.5	300.3	278.5	258.9	237.2
82.5°	311.1	317.7	319.8	319.8	315.5	306.8	289.4	272.0	248.0	221.9	193.6
85°	287.2	291.6	295.9	295.9	293.7	285.0	267.6	248.0	224.1	193.6	163.2
87.5°	263.3	265.4	269.8	274.2	269.8	261.1	245.9	224.1	200.2	169.7	134.9
90°	239.3	241.5	245.9	250.2	248.0	239.3	226.3	206.7	180.6	148.0	113.1
92.5°	215.4	219.8	221.9	224.1	226.3	219.8	208.9	189.3	163.2	130.5	97.9
95°	198.0	198.0	202.4	204.5	206.7	200.2	191.5	171.9	148.0	117.5	84.9
97.5°	180.6	180.6	184.9	184.9	187.1	182.8	174.1	156.7	132.7	104.4	71.8
100°	163.2	165.4	167.5	169.7	169.7	167.5	158.8	141.4	119.7	93.6	63.1
102.5°	152.3	152.3	154.5	154.5	156.7	152.3	143.6	128.4	106.6	82.7	54.4
105°	141.4	141.4	143.6	143.6	141.4	137.1	128.4	115.3	95.7	71.8	47.9
107.5°	132.7	132.7	132.7	132.7	130.5	126.2	117.5	102.3	84.9	65.3	43.5
110°	126.2	124.0	124.0	121.8	119.7	113.1	104.4	91.4	76.2	56.6	37.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	119.7	117.5	115.3	113.1	108.8	102.3	93.6	82.7	67.5	50.0	32.6
115°	113.1	111.0	108.8	104.4	100.1	93.6	84.9	74.0	58.7	43.5	28.3
117.5°	106.6	104.4	100.1	95.7	91.4	84.9	76.2	65.3	52.2	39.2	26.1
120°	97.9	95.7	93.6	89.2	84.9	76.2	67.5	58.7	45.7	34.8	21.8
122.5°	91.4	89.2	84.9	82.7	76.2	69.6	60.9	52.2	41.3	30.5	19.6
125°	82.7	80.5	78.3	74.0	69.6	60.9	54.4	45.7	37.0	26.1	15.2
127.5°	76.2	74.0	69.6	65.3	60.9	54.4	47.9	41.3	32.6	21.8	15.2
130°	67.5	65.3	63.1	58.7	54.4	47.9	43.5	34.8	28.3	19.6	13.1
132.5°	58.7	58.7	56.6	52.2	47.9	43.5	37.0	30.5	23.9	17.4	10.9
135°	54.4	52.2	50.0	45.7	43.5	37.0	32.6	26.1	19.6	15.2	8.7
137.5°	47.9	45.7	43.5	41.3	37.0	32.6	28.3	21.8	17.4	13.1	8.7
140°	41.3	39.2	39.2	34.8	32.6	28.3	23.9	19.6	15.2	10.9	6.5
142.5°	37.0	34.8	32.6	30.5	28.3	23.9	19.6	15.2	13.1	8.7	6.5
145°	32.6	30.5	28.3	26.1	23.9	19.6	17.4	13.1	10.9	8.7	6.5
147.5°	26.1	26.1	23.9	21.8	19.6	17.4	15.2	13.1	8.7	6.5	4.4
150°	21.8	21.8	19.6	17.4	17.4	15.2	13.1	10.9	8.7	6.5	4.4
152.5°	19.6	17.4	17.4	15.2	15.2	13.1	10.9	8.7	6.5	6.5	4.4
155°	15.2	15.2	15.2	13.1	13.1	10.9	8.7	8.7	6.5	4.4	4.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4
2.5°	4218.9	4192.8	4214.5	4253.7	4249.4	4245.0	4240.6	4249.4	4277.6	4262.4	4238.5
5°	4212.4	4186.3	4210.2	4247.2	4245.0	4238.5	4234.1	4242.8	4271.1	4255.9	4229.8
7.5°	4199.3	4175.4	4192.8	4229.8	4229.8	4225.4	4221.1	4229.8	4255.9	4242.8	4216.7
10°	4177.6	4160.1	4177.6	4212.4	4214.5	4205.8	4201.5	4212.4	4238.5	4231.9	4210.2
12.5°	4160.1	4142.7	4162.3	4197.1	4199.3	4190.6	4184.1	4197.1	4231.9	4236.3	4229.8
15°	4136.2	4121.0	4144.9	4181.9	4181.9	4175.4	4175.4	4192.8	4240.6	4260.2	4271.1
17.5°	4101.4	4090.5	4118.8	4155.8	4158.0	4153.6	4155.8	4190.6	4253.7	4301.6	4332.0
20°	4057.9	4053.5	4084.0	4123.2	4129.7	4131.9	4142.7	4195.0	4282.0	4347.3	4377.7
22.5°	4005.7	4007.8	4042.7	4084.0	4092.7	4099.2	4121.0	4195.0	4303.7	4373.4	4386.4
25°	3946.9	3953.4	3990.4	4040.5	4051.4	4064.4	4101.4	4197.1	4310.3	4356.0	4334.2
27.5°	3883.8	3896.9	3944.7	3997.0	4010.0	4031.8	4079.6	4184.1	4279.8	4282.0	4201.5
30°	3818.5	3833.8	3890.3	3951.3	3973.0	3994.8	4053.5	4153.6	4205.8	4136.2	3994.8
32.5°	3744.6	3766.3	3822.9	3896.9	3923.0	3951.3	4010.0	4094.9	4075.3	3925.2	3722.8
35°	3651.0	3681.5	3746.7	3833.8	3857.7	3894.7	3936.0	3955.6	3868.6	3655.4	3426.9
37.5°	3535.7	3581.4	3657.5	3757.6	3783.7	3807.7	3818.5	3764.1	3590.1	3359.4	3122.3
40°	3403.0	3472.6	3555.3	3666.2	3692.3	3692.3	3653.2	3537.9	3318.1	3015.7	2752.4
42.5°	3242.0	3326.8	3431.2	3542.2	3568.3	3537.9	3444.3	3242.0	2991.7	2654.5	2376.0
45°	3046.1	3159.3	3276.8	3392.1	3405.1	3337.7	3170.2	2913.4	2604.4	2291.1	2025.7
47.5°	2813.3	2961.3	3089.6	3220.2	3202.8	3089.6	2865.5	2574.0	2247.6	1951.7	1738.5
50°	2552.2	2726.3	2869.9	2993.9	2956.9	2800.3	2537.0	2232.4	1908.2	1655.8	1479.5
52.5°	2273.7	2473.9	2617.5	2717.6	2667.5	2480.4	2191.0	1899.5	1634.0	1403.4	1285.9
55°	1984.3	2186.7	2334.6	2413.0	2347.7	2145.3	1860.3	1594.9	1344.6	1194.5	1124.9
57.5°	1703.7	1893.0	2032.2	2095.3	2012.6	1810.3	1547.0	1322.9	1142.3	1016.1	981.3
60°	1433.9	1588.3	1721.1	1768.9	1679.7	1492.6	1266.3	1087.9	955.2	868.1	850.7
62.5°	1183.6	1309.8	1414.3	1451.3	1364.2	1218.5	1022.6	889.9	796.3	752.8	731.1
65°	976.9	1050.9	1157.5	1151.0	1098.8	963.9	820.3	726.7	665.8	637.5	624.5
67.5°	768.1	835.5	903.0	911.7	846.4	752.8	659.3	591.8	559.2	544.0	537.4
70°	594.0	644.0	685.4	674.5	639.7	580.9	522.2	485.2	472.2	465.6	465.6
72.5°	461.3	487.4	507.0	493.9	472.2	441.7	413.4	398.2	400.3	404.7	409.1
75°	356.8	363.4	367.7	354.7	350.3	330.7	328.5	330.7	343.8	356.8	363.4
77.5°	274.2	265.4	258.9	245.9	248.0	245.9	256.7	274.2	293.7	313.3	330.7
80°	211.1	191.5	176.2	163.2	169.7	180.6	202.4	228.5	254.6	276.3	298.1
82.5°	163.2	134.9	113.1	100.1	113.1	130.5	158.8	191.5	221.9	245.9	269.8
85°	126.2	93.6	67.5	54.4	67.5	93.6	124.0	161.0	193.6	219.8	243.7
87.5°	97.9	67.5	37.0	21.8	37.0	65.3	100.1	134.9	167.5	198.0	221.9
90°	78.3	45.7	17.4	4.4	19.6	45.7	78.3	113.1	145.8	178.4	202.4
92.5°	63.1	32.6	8.7	0.0	10.9	34.8	65.3	97.9	130.5	161.0	184.9
95°	52.2	26.1	6.5	0.0	8.7	26.1	52.2	84.9	115.3	145.8	165.4
97.5°	43.5	19.6	4.4	0.0	4.4	21.8	43.5	71.8	102.3	130.5	150.1
100°	37.0	17.4	4.4	0.0	4.4	17.4	37.0	63.1	89.2	115.3	134.9
102.5°	30.5	13.1	2.2	2.2	2.2	13.1	32.6	54.4	78.3	102.3	121.8
105°	28.3	10.9	2.2	2.2	2.2	10.9	28.3	47.9	69.6	91.4	108.8
107.5°	23.9	8.7	2.2	2.2	2.2	8.7	23.9	41.3	63.1	82.7	97.9
110°	19.6	8.7	2.2	2.2	2.2	8.7	19.6	37.0	54.4	71.8	87.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	17.4	6.5	2.2	2.2	2.2	6.5	17.4	32.6	47.9	65.3	78.3
115°	15.2	6.5	2.2	2.2	2.2	6.5	15.2	28.3	41.3	56.6	69.6
117.5°	13.1	6.5	2.2	2.2	2.2	4.4	13.1	23.9	37.0	50.0	63.1
120°	10.9	4.4	2.2	2.2	2.2	4.4	10.9	21.8	32.6	43.5	54.4
122.5°	10.9	4.4	2.2	2.2	2.2	4.4	8.7	17.4	28.3	37.0	47.9
125°	8.7	4.4	2.2	2.2	2.2	2.2	8.7	15.2	23.9	32.6	41.3
127.5°	8.7	4.4	2.2	2.2	2.2	2.2	6.5	13.1	19.6	28.3	37.0
130°	6.5	4.4	2.2	2.2	2.2	2.2	4.4	10.9	17.4	23.9	30.5
132.5°	6.5	4.4	2.2	2.2	2.2	2.2	4.4	8.7	13.1	19.6	26.1
135°	6.5	2.2	2.2	2.2	2.2	2.2	2.2	6.5	10.9	15.2	19.6
137.5°	4.4	2.2	2.2	2.2	2.2	2.2	2.2	4.4	8.7	10.9	17.4
140°	4.4	2.2	2.2	2.2	2.2	2.2	2.2	4.4	6.5	8.7	13.1
142.5°	4.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	6.5	10.9
145°	4.4	2.2	2.2	4.4	4.4	2.2	2.2	4.4	4.4	6.5	8.7
147.5°	4.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4	6.5
150°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	6.5
152.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
155°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4
2.5°	4234.1	4184.1	4210.2	4201.5	4210.2	4231.9	4229.8	4223.2	4227.6	4216.7	4205.8
5°	4225.4	4175.4	4201.5	4190.6	4201.5	4223.2	4218.9	4212.4	4218.9	4205.8	4195.0
7.5°	4214.5	4168.8	4199.3	4197.1	4216.7	4245.0	4247.2	4247.2	4262.4	4242.8	4234.1
10°	4214.5	4190.6	4231.9	4247.2	4297.2	4334.2	4338.6	4347.3	4373.4	4369.0	4347.3
12.5°	4260.2	4255.9	4316.8	4353.8	4399.5	4451.7	4480.0	4488.7	4506.1	4493.0	4484.3
15°	4319.0	4340.7	4408.2	4449.5	4499.6	4538.7	4545.3	4549.6	4562.7	4543.1	4527.9
17.5°	4397.3	4410.4	4464.8	4482.2	4514.8	4521.3	4512.6	4490.9	4490.9	4447.4	4434.3
20°	4434.3	4427.8	4449.5	4421.2	4408.2	4369.0	4332.0	4290.7	4288.5	4242.8	4238.5
22.5°	4401.7	4358.1	4312.5	4242.8	4212.4	4155.8	4105.7	4081.8	4066.6	4007.8	3992.6
25°	4286.3	4179.7	4112.3	4029.6	3955.6	3890.3	3842.5	3792.4	3744.6	3696.7	3674.9
27.5°	4086.2	3986.1	3877.3	3762.0	3659.7	3559.6	3479.1	3429.1	3383.4	3320.3	3287.6
30°	3840.3	3701.0	3581.4	3470.4	3302.9	3181.0	3113.6	3013.5	2978.7	2950.4	2889.5
32.5°	3550.9	3383.4	3220.2	3070.1	2898.2	2785.0	2695.8	2621.8	2600.1	2526.1	2508.7
35°	3231.1	3011.3	2826.4	2678.4	2554.4	2417.3	2343.3	2293.3	2249.8	2199.7	2191.0
37.5°	2854.7	2656.7	2447.8	2317.2	2219.3	2101.8	2045.3	2010.4	1990.9	1953.9	1947.3
40°	2476.1	2278.1	2134.5	2003.9	1943.0	1879.9	1838.6	1823.3	1814.6	1801.6	1788.5
42.5°	2132.3	1958.2	1856.0	1768.9	1742.8	1712.4	1701.5	1710.2	1701.5	1697.1	1695.0
45°	1840.7	1708.0	1636.2	1610.1	1603.6	1594.9	1603.6	1618.8	1621.0	1616.6	1616.6
47.5°	1575.3	1512.2	1481.7	1486.1	1497.0	1503.5	1518.7	1538.3	1542.6	1531.8	1536.1
50°	1401.2	1364.2	1357.7	1375.1	1399.0	1407.7	1425.2	1440.4	1438.2	1433.9	1429.5
52.5°	1238.0	1227.2	1244.6	1262.0	1288.1	1292.4	1299.0	1305.5	1303.3	1294.6	1290.3
55°	1101.0	1109.7	1124.9	1131.4	1151.0	1148.8	1151.0	1151.0	1142.3	1137.9	1131.4
57.5°	976.9	979.1	987.8	990.0	1000.9	996.5	994.3	990.0	976.9	974.8	968.2
60°	850.7	846.4	866.0	850.7	859.4	850.7	848.6	837.7	824.6	822.5	818.1
62.5°	731.1	722.4	735.4	728.9	733.2	724.5	720.2	707.1	696.3	694.1	691.9
65°	624.5	620.1	633.2	631.0	635.3	624.5	620.1	611.4	602.7	600.5	598.3
67.5°	535.2	546.1	552.7	552.7	557.0	554.8	544.0	541.8	539.6	530.9	530.9
70°	470.0	476.5	489.6	491.7	489.6	493.9	485.2	483.0	480.9	476.5	474.3
72.5°	417.8	426.5	439.5	441.7	439.5	439.5	435.2	433.0	433.0	426.5	426.5
75°	376.4	387.3	398.2	398.2	398.2	393.8	389.5	389.5	385.1	382.9	378.6
77.5°	341.6	354.7	363.4	361.2	359.0	354.7	354.7	348.1	341.6	341.6	337.3
80°	315.5	324.2	330.7	328.5	326.4	319.8	317.7	311.1	306.8	300.3	300.3
82.5°	287.2	298.1	302.4	300.3	295.9	289.4	287.2	282.9	278.5	276.3	272.0
85°	263.3	274.2	276.3	272.0	267.6	263.3	261.1	258.9	256.7	252.4	252.4
87.5°	239.3	250.2	250.2	248.0	243.7	241.5	239.3	237.2	235.0	232.8	230.6
90°	219.8	228.5	228.5	226.3	224.1	221.9	219.8	217.6	215.4	213.2	213.2
92.5°	200.2	208.9	208.9	206.7	204.5	202.4	202.4	200.2	198.0	195.8	193.6
95°	182.8	191.5	191.5	191.5	189.3	187.1	187.1	184.9	182.8	182.8	180.6
97.5°	165.4	174.1	174.1	174.1	171.9	169.7	169.7	167.5	167.5	167.5	165.4
100°	150.1	156.7	158.8	158.8	156.7	156.7	156.7	154.5	154.5	154.5	152.3
102.5°	134.9	141.4	145.8	145.8	145.8	143.6	143.6	143.6	143.6	143.6	141.4
105°	121.8	128.4	132.7	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9
107.5°	111.0	117.5	121.8	124.0	126.2	126.2	128.4	128.4	128.4	128.4	128.4
110°	100.1	106.6	113.1	115.3	117.5	119.7	119.7	121.8	119.7	119.7	119.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	89.2	97.9	102.3	106.6	108.8	111.0	113.1	113.1	113.1	113.1	113.1
115°	80.5	89.2	93.6	97.9	102.3	104.4	104.4	106.6	106.6	106.6	104.4
117.5°	71.8	80.5	84.9	89.2	91.4	95.7	97.9	97.9	97.9	97.9	95.7
120°	65.3	71.8	76.2	80.5	84.9	87.0	89.2	89.2	89.2	89.2	89.2
122.5°	56.6	63.1	69.6	74.0	76.2	78.3	80.5	80.5	80.5	80.5	80.5
125°	50.0	56.6	60.9	65.3	67.5	71.8	71.8	71.8	71.8	71.8	71.8
127.5°	43.5	50.0	54.4	58.7	60.9	63.1	65.3	65.3	65.3	65.3	65.3
130°	37.0	43.5	47.9	52.2	54.4	56.6	56.6	58.7	58.7	58.7	58.7
132.5°	32.6	37.0	41.3	45.7	47.9	50.0	50.0	52.2	52.2	52.2	52.2
135°	26.1	32.6	34.8	39.2	41.3	43.5	43.5	45.7	45.7	45.7	45.7
137.5°	21.8	26.1	30.5	34.8	37.0	37.0	39.2	39.2	41.3	41.3	41.3
140°	17.4	19.6	26.1	28.3	30.5	32.6	34.8	34.8	34.8	34.8	34.8
142.5°	13.1	17.4	19.6	23.9	26.1	28.3	30.5	30.5	30.5	30.5	30.5
145°	10.9	13.1	15.2	19.6	21.8	23.9	26.1	26.1	26.1	26.1	26.1
147.5°	8.7	10.9	13.1	15.2	17.4	19.6	21.8	21.8	21.8	21.8	21.8
150°	6.5	8.7	10.9	10.9	13.1	15.2	17.4	19.6	19.6	19.6	19.6
152.5°	6.5	6.5	8.7	8.7	10.9	13.1	15.2	15.2	15.2	15.2	15.2
155°	4.4	6.5	6.5	6.5	8.7	8.7	10.9	13.1	13.1	13.1	13.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4
2.5°	4212.4	4221.1	4216.7	4210.2	4208.0	4218.9	4208.0	4158.0	4177.6	4179.7	4195.0
5°	4205.8	4212.4	4208.0	4203.7	4197.1	4210.2	4197.1	4144.9	4164.5	4166.7	4181.9
7.5°	4249.4	4251.5	4251.5	4240.6	4223.2	4229.8	4212.4	4153.6	4164.5	4164.5	4175.4
10°	4358.1	4362.5	4369.0	4340.7	4319.0	4301.6	4277.6	4205.8	4203.7	4186.3	4186.3
12.5°	4499.6	4488.7	4477.8	4464.8	4447.4	4425.6	4390.8	4305.9	4277.6	4249.4	4221.1
15°	4540.9	4536.6	4534.4	4527.9	4517.0	4510.4	4484.3	4399.5	4358.1	4323.3	4273.3
17.5°	4432.1	4440.8	4469.1	4471.3	4484.3	4510.4	4506.1	4447.4	4410.4	4395.1	4334.2
20°	4236.3	4238.5	4273.3	4288.5	4345.1	4388.6	4421.2	4414.7	4406.0	4423.4	4377.7
22.5°	4001.3	4016.5	4053.5	4077.5	4131.9	4181.9	4234.1	4262.4	4308.1	4379.9	4371.2
25°	3681.5	3701.0	3753.3	3792.4	3868.6	3944.7	4014.4	4064.4	4118.8	4255.9	4301.6
27.5°	3298.5	3329.0	3396.4	3435.6	3542.2	3620.5	3720.6	3818.5	3894.7	4051.4	4144.9
30°	2896.0	2922.1	2993.9	3048.3	3139.7	3246.3	3372.5	3511.8	3638.0	3796.8	3914.3
32.5°	2519.6	2547.9	2606.6	2654.5	2756.7	2846.0	2985.2	3157.1	3274.6	3494.3	3651.0
35°	2191.0	2217.1	2258.5	2299.8	2384.7	2476.1	2595.7	2763.3	2913.4	3141.9	3339.9
37.5°	1960.4	1964.8	1988.7	2012.6	2075.7	2145.3	2238.9	2386.9	2526.1	2772.0	2989.6
40°	1795.0	1795.0	1808.1	1814.6	1842.9	1884.2	1943.0	2058.3	2173.6	2360.8	2626.2
42.5°	1692.8	1688.4	1688.4	1690.6	1688.4	1708.0	1742.8	1797.2	1899.5	2054.0	2260.7
45°	1616.6	1607.9	1601.4	1586.2	1577.5	1577.5	1579.6	1599.2	1658.0	1758.1	1925.6
47.5°	1531.8	1529.6	1518.7	1501.3	1486.1	1475.2	1457.8	1451.3	1468.7	1525.2	1638.4
50°	1433.9	1423.0	1412.1	1399.0	1381.6	1370.8	1338.1	1340.3	1325.1	1351.2	1409.9
52.5°	1290.3	1281.6	1277.2	1266.3	1259.8	1255.4	1229.3	1203.2	1196.7	1201.0	1222.8
55°	1131.4	1135.8	1118.4	1127.1	1124.9	1105.3	1094.4	1074.8	1068.3	1066.1	1077.0
57.5°	966.1	970.4	959.5	968.2	968.2	957.4	950.8	950.8	935.6	922.5	937.8
60°	815.9	807.2	813.8	824.6	824.6	818.1	813.8	813.8	802.9	798.5	809.4
62.5°	694.1	685.4	691.9	702.8	705.0	700.6	696.3	696.3	683.2	683.2	691.9
65°	600.5	602.7	600.5	609.2	609.2	611.4	607.1	602.7	587.5	594.0	591.8
67.5°	533.1	530.9	530.9	539.6	537.4	541.8	537.4	530.9	520.0	511.3	509.1
70°	476.5	474.3	474.3	478.7	480.9	480.9	478.7	474.3	459.1	450.4	443.9
72.5°	426.5	424.3	426.5	428.6	430.8	433.0	430.8	426.5	413.4	402.5	391.6
75°	380.8	378.6	385.1	385.1	387.3	387.3	389.5	387.3	376.4	363.4	350.3
77.5°	335.1	337.3	343.8	346.0	350.3	352.5	354.7	354.7	343.8	332.9	315.5
80°	298.1	302.4	306.8	309.0	313.3	319.8	322.0	324.2	315.5	304.6	285.0
82.5°	272.0	274.2	278.5	280.7	287.2	289.4	291.6	295.9	291.6	280.7	258.9
85°	250.2	252.4	256.7	256.7	261.1	265.4	267.6	269.8	267.6	256.7	235.0
87.5°	230.6	232.8	235.0	237.2	239.3	241.5	243.7	245.9	243.7	232.8	213.2
90°	213.2	213.2	215.4	215.4	217.6	219.8	224.1	224.1	221.9	213.2	193.6
92.5°	193.6	195.8	195.8	198.0	200.2	202.4	204.5	204.5	202.4	193.6	176.2
95°	180.6	180.6	182.8	182.8	184.9	184.9	187.1	187.1	184.9	176.2	158.8
97.5°	165.4	165.4	165.4	165.4	167.5	167.5	169.7	169.7	167.5	158.8	143.6
100°	152.3	152.3	152.3	152.3	152.3	154.5	154.5	154.5	152.3	143.6	128.4
102.5°	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	137.1	130.5	115.3
105°	134.9	134.9	134.9	132.7	132.7	132.7	130.5	130.5	124.0	117.5	104.4
107.5°	126.2	126.2	126.2	124.0	124.0	121.8	119.7	119.7	113.1	106.6	93.6
110°	119.7	119.7	119.7	117.5	115.3	113.1	111.0	108.8	102.3	93.6	82.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	113.1	113.1	111.0	111.0	108.8	106.6	102.3	100.1	93.6	84.9	74.0
115°	104.4	104.4	104.4	102.3	100.1	97.9	95.7	91.4	84.9	76.2	65.3
117.5°	95.7	95.7	95.7	93.6	91.4	89.2	87.0	82.7	76.2	67.5	58.7
120°	87.0	87.0	87.0	84.9	82.7	80.5	78.3	74.0	67.5	60.9	50.0
122.5°	80.5	80.5	78.3	76.2	74.0	71.8	69.6	65.3	60.9	52.2	43.5
125°	71.8	71.8	69.6	69.6	67.5	65.3	63.1	58.7	52.2	45.7	39.2
127.5°	65.3	63.1	63.1	63.1	60.9	58.7	54.4	52.2	45.7	39.2	32.6
130°	56.6	56.6	56.6	54.4	54.4	52.2	47.9	43.5	39.2	34.8	28.3
132.5°	50.0	50.0	50.0	50.0	47.9	45.7	41.3	39.2	34.8	28.3	23.9
135°	45.7	45.7	43.5	43.5	41.3	39.2	37.0	32.6	28.3	23.9	19.6
137.5°	39.2	39.2	39.2	37.0	37.0	34.8	30.5	28.3	26.1	21.8	17.4
140°	34.8	34.8	32.6	32.6	30.5	30.5	28.3	23.9	21.8	17.4	15.2
142.5°	30.5	30.5	28.3	28.3	26.1	26.1	23.9	21.8	17.4	15.2	10.9
145°	26.1	26.1	23.9	23.9	23.9	21.8	19.6	17.4	15.2	13.1	10.9
147.5°	21.8	21.8	21.8	19.6	19.6	17.4	17.4	15.2	13.1	10.9	8.7
150°	19.6	19.6	17.4	17.4	17.4	15.2	13.1	13.1	10.9	8.7	6.5
152.5°	15.2	15.2	15.2	15.2	13.1	13.1	10.9	10.9	8.7	6.5	6.5
155°	13.1	13.1	13.1	10.9	10.9	10.9	8.7	8.7	6.5	6.5	4.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4	4212.4
2.5°	4188.4	4186.3	4205.8	4203.7	4177.6	4216.7	4242.8
5°	4177.6	4175.4	4192.8	4197.1	4168.8	4210.2	4238.5
7.5°	4168.8	4166.7	4186.3	4192.8	4164.5	4201.5	4231.9
10°	4171.0	4160.1	4177.6	4181.9	4155.8	4195.0	4221.1
12.5°	4186.3	4160.1	4166.7	4166.7	4142.7	4177.6	4205.8
15°	4223.2	4168.8	4160.1	4153.6	4123.2	4155.8	4184.1
17.5°	4264.6	4190.6	4160.1	4138.4	4101.4	4129.7	4160.1
20°	4305.9	4214.5	4164.5	4129.7	4079.6	4105.7	4127.5
22.5°	4325.5	4236.3	4168.8	4116.6	4053.5	4066.6	4090.5
25°	4299.4	4227.6	4160.1	4097.0	4020.9	4023.1	4042.7
27.5°	4203.7	4184.1	4140.6	4077.5	3994.8	3983.9	3999.1
30°	4040.5	4094.9	4097.0	4051.4	3964.3	3942.6	3949.1
32.5°	3812.0	3933.9	4005.7	3997.0	3920.8	3890.3	3894.7
35°	3548.7	3701.0	3857.7	3909.9	3855.5	3831.6	3822.9
37.5°	3233.3	3437.8	3646.7	3775.0	3766.3	3751.1	3742.4
40°	2885.1	3131.0	3379.0	3583.6	3646.7	3646.7	3651.0
42.5°	2513.1	2800.3	3072.2	3331.2	3479.1	3511.8	3524.8
45°	2154.0	2443.4	2739.3	3037.4	3235.4	3337.7	3374.7
47.5°	1827.7	2119.2	2399.9	2726.3	2989.6	3122.3	3181.0
50°	1549.2	1766.8	2062.7	2386.9	2674.1	2837.3	2952.6
52.5°	1318.5	1488.3	1747.2	2049.6	2339.0	2563.1	2669.7
55°	1124.9	1240.2	1460.0	1721.1	1997.4	2230.2	2354.2
57.5°	961.7	1053.1	1203.2	1420.8	1653.6	1884.2	2017.0
60°	818.1	881.2	983.5	1155.4	1353.4	1551.4	1679.7
62.5°	694.1	735.4	802.9	929.1	1083.6	1238.0	1357.7
65°	598.3	615.8	652.7	731.1	848.6	966.1	1068.3
67.5°	504.8	515.7	544.0	591.8	650.6	735.4	802.9
70°	435.2	435.2	437.3	465.6	496.1	550.5	598.3
72.5°	378.6	372.1	359.0	365.5	372.1	402.5	433.0
75°	332.9	317.7	295.9	287.2	282.9	287.2	304.6
77.5°	293.7	272.0	245.9	224.1	206.7	200.2	215.4
80°	261.1	235.0	204.5	176.2	148.0	132.7	139.3
82.5°	235.0	202.4	169.7	137.1	104.4	82.7	82.7
85°	206.7	176.2	141.4	106.6	74.0	45.7	41.3
87.5°	187.1	154.5	117.5	84.9	52.2	23.9	13.1
90°	167.5	134.9	100.1	67.5	37.0	10.9	0.0
92.5°	150.1	119.7	87.0	54.4	26.1	6.5	0.0
95°	134.9	106.6	74.0	45.7	21.8	4.4	2.2
97.5°	119.7	93.6	65.3	37.0	15.2	4.4	2.2
100°	108.8	82.7	56.6	30.5	13.1	2.2	2.2
102.5°	95.7	74.0	47.9	26.1	10.9	2.2	2.2
105°	84.9	65.3	41.3	21.8	8.7	2.2	2.2
107.5°	76.2	56.6	37.0	19.6	8.7	2.2	2.2
110°	67.5	50.0	32.6	17.4	6.5	2.2	2.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-105SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	60.9	43.5	28.3	15.2	4.4	2.2	2.2
115°	52.2	39.2	23.9	13.1	4.4	2.2	2.2
117.5°	45.7	32.6	21.8	10.9	4.4	2.2	2.2
120°	39.2	28.3	17.4	8.7	2.2	2.2	2.2
122.5°	34.8	23.9	15.2	8.7	2.2	2.2	2.2
125°	30.5	21.8	13.1	6.5	2.2	2.2	2.2
127.5°	26.1	17.4	10.9	4.4	2.2	2.2	2.2
130°	21.8	15.2	8.7	4.4	2.2	2.2	2.2
132.5°	17.4	13.1	8.7	4.4	2.2	2.2	2.2
135°	15.2	10.9	6.5	4.4	2.2	2.2	2.2
137.5°	13.1	8.7	4.4	4.4	4.4	2.2	2.2
140°	10.9	6.5	4.4	4.4	4.4	4.4	2.2
142.5°	8.7	6.5	4.4	4.4	4.4	4.4	2.2
145°	6.5	4.4	4.4	4.4	4.4	4.4	2.2
147.5°	6.5	4.4	4.4	4.4	4.4	4.4	2.2
150°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
152.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
155°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)